

- (C) a 3' non-translated sequence that functions in the plant cell to cause termination of transcription and addition of polyadenylated ribonucleotides to a 3' end of the mRNA molecule.

27. (Amended) The transformed plant according to claim 25, wherein said plant is selected from the group consisting of rapeseed, maize, soybean, safflower, sunflower, cotton, peanut, flax, oil palm and Cuphea.

Please add new claims 28-39 as follows:

28. (New) An isolated nucleic acid molecule that encodes a protein comprising the amino acid sequence of SEQ ID NO: 622.

29. (New) The isolated nucleic acid molecule of claim 28, wherein the nucleic acid molecule comprises the nucleic acid sequence of SEQ ID NO: 1.

30. (New) An isolated nucleic acid molecule that specifically hybridizes to a nucleic acid sequence of SEQ ID NO: 1 or its complement, wherein the nucleic acid molecule encodes a protein comprising the amino acid sequence of SEQ ID NO: 622.

31. (New) The isolated nucleic acid molecule according to claim 30, wherein said nucleic acid molecule specifically hybridizes to a nucleic acid sequence of SEQ ID NO: 1 or its complement under high stringency conditions.

32. (New) The isolated nucleic acid molecule according to claim 30, wherein said nucleic acid molecule specifically hybridizes to a nucleic acid sequence of SEQ ID NO: 1 or its complement under low stringency conditions.

33. (New) An isolated nucleic acid molecule comprising a nucleic acid sequence which encodes a plant HES1 protein.

34. (New) A substantially purified nucleic acid molecule comprising a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an oxysterol-binding protein consensus sequence.

35. (New) An isolated nucleic acid molecule comprising a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an oxysterol-binding protein consensus sequence.

Cb
Wt
36. (New) A substantially purified nucleic acid molecule comprising a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an amino acid sequence Glu (Lys,Gln) Xaa Ser His (His,Arg) Pro Pro Xaa (Ser, Thr, Ala, Cys, Phe) Ala, and wherein Xaa comprises an amino acid selected from the group consisting of Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, and Tyr.

37. (New) An isolated nucleic acid molecule comprising a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an amino acid sequence Glu (Lys,Gln) Xaa Ser His (His,Arg) Pro Pro Xaa (Ser, Thr, Ala, Cys, Phe) Ala, and wherein Xaa comprises an amino acid selected from the group consisting of Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, and Tyr.

38. (New) A substantially purified nucleic acid molecule comprising a complement of a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an amino acid sequence Glu (Lys,Gln) Xaa Ser His (His,Arg) Pro Pro Xaa (Ser, Thr, Ala, Cys, Phe) Ala, and wherein Xaa comprises an amino acid selected from the group consisting of Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, and Tyr.

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39. (New) An isolated nucleic acid molecule comprising a complement of a nucleic acid sequence which encodes a plant HES1 protein, wherein the plant HES1 protein comprises an amino acid sequence Glu (Lys,Gln) Xaa Ser His (His,Arg) Pro Pro Xaa (Ser, Thr, Ala, Cys, Phe) Ala, and wherein Xaa comprises an amino acid selected from the group consisting of Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, and Tyr.